

DECLARATION FOR PATENT APPLICATION

As below named inventors, we hereby declare that:

Our residence, post office address, and citizenship are as stated below next to our name.

We believe that we are the original, first and sole inventors (if only one name is listed below), or original, first and joint inventors (if plural names are listed below) of the subject matter which is claimed, and for which a patent is sought on the invention entitled:

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TURBO CODES**

the specification of which is attached hereto, unless the following box is checked:

___ was filed on ___, as United States Application Number or PCT
International Application Number _____.

We hereby state that we have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

We hereby claim foreign priority benefits under Title 35, United States Code, §§119(a) - (d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed:

NONE

We hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below:

60/231,682 Filed September 11, 2000

We hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s), or §365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, §112, We acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal

Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

NONE

We hereby appoint the following registered attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Alan J. Ross, Reg. No. 33,767
John X. Garred, Reg. No. 31,830
Susan L. Mizer, Reg. No. 38,245
James C. Scott, Reg. No. 35,351
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Cleveland, Ohio 44115-1475
Customer No.: 23380

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor: William H. Thesling

Inventor's signature : _____

Date : _____

Residence : Bedford, Ohio
Citizenship : United States of America
Post Office Address : 690 Turney Road, Apt. 7, Bedford, Ohio 44146

Full name of second inventor: Sameep Dave

Inventor's signature : _____

Date : _____

Residence : Warrensville Heights, Ohio

Citizenship : United States of America

Post Office Address : 4800 Country Lane, Suite 215, Warrensville Heights, Ohio 44128

608775.1

09954698-091101

ASSIGNMENT

In consideration of the payment by ASSIGNEE to ASSIGNOR(S) of the sum of Ten Dollars (\$10.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR: Name: William H. Thesling
 Address: 690 Turney Road, Apt. 7
 Bedford, Ohio 44146
 County: Cuyahoga

ASSIGNOR: Name: Sameep Dave
 Address: 4800 Country Lane, Suite 215
 Warrensville Heights, Ohio 44128
 County: Cuyahoga

hereby sell, assign and transfer to

ASSIGNEE: Name: Efficient Channel Coding, Inc.
 Principal Place
 Of Business: 600 Safeguard Plaza, Suite 100
 Brooklyn Heights, Ohio 44131
 State of
 Incorporation: Ohio

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions, and in all foreign countries, including all rights to claim priority in and to any and all improvements which are disclosed in the invention entitled:

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and which is found in (37 C.F.R. § 3.21)

___ U.S. patent application executed on the ___ day of ___, 20___

___ U.S. patent application executed on the ___ day of ___, 20___

To comply with 37 C.F.R. § 3.21 for recordal of this assignment, we, as ASSIGNOR(S) signing below, hereby authorize and request our attorney to insert below the filing date and application number when they become known.

U.S. application No. ___, filed on ___

and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for such invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent, any reissue or re-examination thereof.

ASSIGNOR(S) hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNOR(S) further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR(S) and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Signed at _____, _____ on this

(City)

(State)

____ day of _____, 20____.

(day)

(Month)

WILLIAM H. THESLING

STATE OF _____)

);SS

COUNTY OF _____)

Personally appeared before me this day, the above named William H. Thesling to me personally known, who acknowledged that he signed the foregoing instrument for the uses and purposes therein mentioned, and that the same is his free act and deed.

In testimony whereof, I have hereunto set my hand and affixed my seal, this _____ day of

_____, 20____.

(Seal)

Notary Public

09954698-091101

Signed at _____, _____ on this
(City) (State)

____ day of _____, 20____.
(day) (Month)

SAMEEP DAVE

STATE OF)
) :SS
COUNTY OF)

Personally appeared before me this day, the above named Sameep Dave to me personally known, who acknowledged that he signed the foregoing instrument for the uses and purposes therein mentioned, and that the same is his free act and deed.

In testimony whereof, I have hereunto set my hand and affixed my seal, this _____ day of _____, 20____.

(Seal)

Notary Public

608925.1